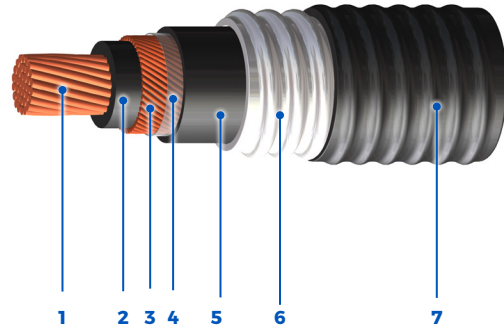


# CSA TECK90 Armoured Power, Single-Conductor, 1000 V

Unshielded armoured power cable is used to supply power for lighting, drives, motors and pumps. Interlocked armour replaces the use of conduit for mechanical protection. Cable can be directly buried, installed in raceways, including cable tray in wet or dry environments. Cable is suitable for use in outdoor exposed applications and is rated for damp or dry locations in -40°C (-40°F) environments.

## Standards:



- |   |  |
|---|--|
| 1 - Strand Bare (ASTM B8) Annealed Copper Conductor | 5 - FR LAG PVC Inner Protective Jacket |
| 2 - XLPE (RW90 Rated) Insulated Conductor           | 6 - Aluminum Interlocked Armour (AIA)  |
| 3 - Serve/Wound Grounds                             | 7 - FR LAG PVC Outer Protective Jacket |
| 4 - Polyester Separator Tape                        |  |

## Product Construction

### Insulation:

- XLPE (RW90 rated) rated: 90°C wet/dry

### Grounding/Bonding Conductor:

- Concentric serving of solid bare copper wires applied over the insulation

### Armour:

- Aluminum Interlocked Armour (AIA) (standard)

### Jacket:

- FR LAG PVC (AG14 rated) outer black jacket rated: 90°C to -40°C

### Available in:

- Verlock® (for mineshaft applications)
- Custom colour coding
- Custom insulation/jacket colours
- Aluminum conductors

## Certification/Compliances

- CSA C22.2 NO. 131, Teck 90 Cables (Teck 90)
- CSA C22.2 NO. 174, Cables & Cable Glands for use in Hazardous Locations
- CSA C22.2 NO. 38, Thermoset Insulated Wires & Cables (XLPE)
- CSA FT4, UL 1685 FT4, Vertical Tray Flame Test rated
- IEEE 383 & 1202 (70,000 BTU/hr), Vertical Flame Test rated
- ICEA T-30-520 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- 40°C cold bend/impact rated
- Rated for use in hazardous locations:
  - Class I Zone 0 (Intrinsically Safe cables only)
  - Class I Zone 1 (Div 1)
  - Class I Zone 2 (Div 2)
  - Class II Zone 20, 21 (Div 1)
  - Class II Zone 22 (Div 2)

## 1000 V

### Voltage

Optional: 600 V

## CSA Type TECK 90

### Power

### Color Coding

- Black conductor (standard)

# CSA TECK90 Armoured Power, Single-Conductor, 1000 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	GROUND WIRE SIZE	OD OVER INNER JACKET	NORMAL DIAMETERS		CABLE WEIGHT	AMPACITY	MAX. PULLING TENSION (PULLING EYE)	MIN. BEND RADIUS (PULL)
					OVER ARMOUR	OVERALL CABLE				
		AWG/kcmil	AWG/kcmil	in/mm	in/mm	in/mm	lbs/1000ft kg/km	30°C ambient	lb/kg	in/mm
80210M040100700	1	4	6	0.523 / 13.3	0.763 / 19.3	0.855 / 21.7	442 / 658	140	334 / 151	15.4 / 391
80210M020100700	1	2	6	0.581 / 14.8	0.821 / 20.9	0.913 / 23.2	541 / 805	190	531 / 241	16.4 / 417
80210M010140700	1	1	4	0.716 / 18.2	0.956 / 24.3	1.048 / 26.6	721 / 1073	220	670 / 304	18.9 / 479
80210M1/0140700	1	1/0	4	0.756 / 19.2	0.996 / 25.3	1.088 / 27.6	807 / 1201	260	845 / 383	19.6 / 497
80210M2/0140700	1	2/0	4	0.799 / 20.3	1.039 / 26.4	1.131 / 28.7	956 / 1423	300	1065 / 483	20.4 / 517
80210M3/0140700	1	3/0	3	0.850 / 21.6	1.090 / 27.7	1.182 / 30.0	1116 / 1661	350	1336 / 606	21.3 / 540
80210M4/0140700	1	4/0	3	0.906 / 23.0	1.146 / 29.1	1.238 / 31.5	1279 / 1904	405	1693 / 768	22.3 / 566
80210M250160700	1	250	2	1.002 / 25.5	1.242 / 31.6	1.334 / 33.9	1518 / 2260	455	2000 / 907	24 / 610
80210M300160700	1	300	2	1.055 / 26.8	1.295 / 32.9	1.387 / 35.2	1701 / 2532	500	2400 / 1089	25 / 634
80210M350160700	1	350	1	1.105 / 28.1	1.345 / 34.2	1.437 / 36.5	1938 / 2885	570	2800 / 1270	25.9 / 657
80210M500160700	1	500	1/0	1.233 / 31.3	1.473 / 37.4	1.565 / 39.8	2542 / 3782	700	4000 / 1814	28.2 / 716
80210M750160700	1	750	2/0	1.412 / 35.9	1.652 / 42.0	1.760 / 44.7	3541 / 5270	885	6000 / 2722	31.7 / 805
80210MA00160700	1	1000	2/0	1.561 / 39.7	1.866 / 47.4	1.974 / 50.1	4474 / 6658	1055	8000 / 3629	35.5 / 903

\*Ampacity value based on Canadian Electrical Code, Version 2018, Table-2.